

Contents

John C. Bailar, Jr. (1904-1991): Father of coordination chemistry in the United States G.B. Kauffman (Fresno, CA, USA), G.S. Girolami (Urbana, IL, USA) and D.H. Busch (Lawrence, KS, USA)	1
Coordination chemistry from monomers to copolymers R.D. Archer (Amherst, MA, USA)	49
Kinetic studies of CO substitution of metal carbonyls in the presence of O-atom transfer reagents J.-K. Shen (Evanston, IL, USA), Y.-C. Gao, Q.-Z. Shi (Lanzhou, P.R. China) and F. Basolo (Evanston, IL, USA)	69
Ligand steric properties T.L. Brown and K.J. Lee (Urbana, IL, USA)	89
Kinetics and intermediates in the autoxidation of (cyclopentadienyl)iron(II) dioxygen carriers in a variety of solvent systems A. Sauer-Masaruwa (Lawrence, KS, USA), L.D. Dickerson, N. Herron (Columbus, OH, USA) and D.H. Busch (Lawrence, KS, USA and Columbus, OH, USA)	117
Coordination chemistry of hexadentate EDTA-type ligands with M(III) ions B.E. Douglas (Pittsburgh, PA, USA) and D.J. Radanović (Kragujevac, Yugoslavia)	139
Conformational change induced by metal ions through coordination G.L. Eichhorn (Baltimore, MD, USA)	167
Mechanistic considerations for anation reactions in the solid state J.E. House, Jr. (Normal, IL, USA)	175
Coordination compounds of aluminum as precursors to aluminum nitride F.C. Sauls (Wilkes-Barre, PA, USA) and L.V. Interrante (Troy, NY, USA)	193
High-nuclearity oxomolybdenum(V) complexes H.K. Chae, W.G. Klemperer and T.A. Marquart (Urbana, IL, USA)	209
Charge-transfer spectroscopy and photochemistry of alkylamine cobalt(III) complexes S.K. Wei (Athens, GA, USA), G. Ferraudi (Notre Dame, IN, USA), P.A. Grutsch and C. Kotal (Athens, GA, USA)	225
Coordination compounds formed using three-center hydrogen bridge bonds: An extension of the Lewis donor-acceptor coordination bond R.W. Parry and G. Kodama (Salt Lake City, UT, USA)	245
Organometallic chemistry of hexanuclear carbonyl clusters L. Ma, G.K. Williams and J.R. Shapley (Urbana, IL, USA)	261
Volatile barium β -diketonates for use as MOCVD precursors R.E. Sievers, S.B. Turnipseed, L. Huang and A.F. Lagalante (Boulder, CO, USA)	285
One-dimensional coordination polymers: Applications to materials science C.-T. Chen and K. Suslick (Urbana, IL, USA)	293
Conference calendar	323
Author index	327
Subject index	327

Some Papers to Appear in Forthcoming Issues

- Five-coordinate alkene complexes of palladium(II) and platinum(II)
V.G. Albano (Bologna, Italy), G. Natile (Bari, Italy) and A. Panunzi (Naples, Italy)
- Biological coordination chemistry of magnesium, sodium, and potassium ions. Protein and nucleotide binding sites
C.B. Black, H.-W. Huang and J.A. Cowan (Columbus, OH, USA)
- Structural aspects of Grignard reagents
C.E. Holloway (North York, Ont., Canada) and M. Melnik (Bratislava, Slovak Republic)